

# NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 1-8-01 are:

- A ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.82  
 B ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.82 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS 37 CFR 1.84(a). Acceptable categories of drawings:  
 Black ink Color  
 Color drawings are not acceptable until petition is granted.  
 Fig(s) \_\_\_\_\_  
 Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_

2. PHOTOGRAPHS 37 CFR 1.84(b)  
 1 full-tone set is required. Fig(s) \_\_\_\_\_  
 Photographs may not be mounted. 37 CFR 1.84(c)  
 Poor quality (half-tone). Fig(s) \_\_\_\_\_

3. TYPE OF PAPER 37 CFR 1.84(c)  
 Paper not flexible, strong, white, and durable.  
 Fig(s) \_\_\_\_\_  
 Folds, creases, alterations, overwritings, interlineations,  
 forgeries, copy machine marks not accepted. Fig(s) \_\_\_\_\_  
 Mylar, vellum paper is not acceptable (too thin).  
 Fig(s) \_\_\_\_\_

4. SIZE OF PAPER 37 CFR 1.84(d). Acceptable sizes:  
 21.0 cm by 29.7 cm (DIP's size A4)  
 21.6 cm by 27.9 cm (8.12 x 11 inches)  
 All drawing sheets not the same size.  
 Sheet(s) \_\_\_\_\_  
 Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_

5. MARGINS 37 CFR 1.84(g). Acceptable margins:  
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
 SIZE: A4 Size  
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
 SIZE: 8.12 x 11  
 Margins not acceptable. Fig(s) \_\_\_\_\_  
 Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_  
 Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

6. VIEWS 37 CFR 1.84(h)  
 REMINDER: Specification may require revision to correspond to drawing changes.  
 Partial views 37 CFR 1.84(h)(1)  
 Brackets needed to show figure as one entity.  
 Fig(s) \_\_\_\_\_  
 Views not labeled separately or properly.  
 Fig(s) 2  
 Enlarged view not labeled separately or properly.  
 Fig(s) \_\_\_\_\_

7. SECTIONAL VIEWS 37 CFR 1.84(h)(3)  
 Hatching not indicated for sectional portions of an object.  
 Fig(s) \_\_\_\_\_  
 Sectional designation should be noted with Arabic or  
 Roman numbers. Fig(s) \_\_\_\_\_

8. ARRANGEMENT OF VIEWS 37 CFR 1.84(i)  
 Words do not appear on a horizontal, left-to-right fashion  
 when page is either upright or turned so that the top  
 becomes the right side, except for graphs. Fig(s) \_\_\_\_\_

9. SCALE 37 CFR 1.84(j)  
 Scale not large enough to show mechanism without  
 crowding when drawing is reduced in size to two-thirds in  
 reproduction.  
 Fig(s) \_\_\_\_\_

10. CHARACTER OF LINES, NUMBERS, & LETTERS  
 37 CFR 1.84(k)  
 Lines, numbers & letters not uniformly thick and well  
 defined, clean, durable, and black (poor line quality).  
 Fig(s) 3, 4, 7

11. SHADING 37 CFR 1.84(l)  
 Solid black areas pale. Fig(s) \_\_\_\_\_  
 Solid black shading not permitted. Fig(s) \_\_\_\_\_  
 Shade lines pale, rough and blurred. Fig(s) \_\_\_\_\_

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS  
 37 CFR 1.84(p)  
 Numbers and reference characters not plain and legible.  
 Fig(s) 3-7  
 Figure legends are poor. Fig(s) \_\_\_\_\_  
 Numbers and reference characters not oriented in the  
 same direction as the view. 37 CFR 1.84(p)(1)  
 Fig(s) \_\_\_\_\_  
 English alphabet not used. 37 CFR 1.84(p)(2)  
 Fig(s) \_\_\_\_\_  
 Numbers, letters and reference characters must be at least  
 .32 cm (.18 inch) in height. 37 CFR 1.84(p)(3)  
 Fig(s) \_\_\_\_\_

13. LEAD LINES 37 CFR 1.84(q)  
 Lead line crosses each other. Fig(s) \_\_\_\_\_  
 Lead line crossing. Fig(s) \_\_\_\_\_

14. NUMBERING OF SHEETS OF DRAWINGS 37 CFR 1.84(r)  
 Sheets not numbered consecutively, and in Arabic numerals  
 beginning with number 1. Sheet(s) \_\_\_\_\_

15. NUMBERING OF VIEWS 37 CFR 1.84(u)  
 Views not numbered consecutively, and in Arabic numerals,  
 beginning with number 1. Fig(s) \_\_\_\_\_

16. CORRECTIONS 37 CFR 1.84(w)  
 Corrections not made from prior PTO 948  
 dated \_\_\_\_\_

17. DESIGN DRAWINGS 37 CFR 1.82  
 Surface hatching shown not appropriate. Fig(s) \_\_\_\_\_  
 Solid black shading not used for color contrast.  
 Fig(s) \_\_\_\_\_

COMMENTS REMOVE THE BORDERS FROM FIG. 1-7  
\* FIG. 2 SHOULD BE LABELED FIG. 2A, 2B

REVIEWER J. CHASE DATE 7-10-02 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. 12

**Attachment for PTO-948 (Rev. 03/01, or earlier)**  
**6/18/01**

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.